

Induction heating Apparatus for controlling the welding parameter of temperature for heat treating a section of piping

Abstract

The present invention relates to a novel induction heating apparatus for controlling the welding parameter of temperature for a pre-weld heating operation, interpass operation, or a hydrogen bake-out operation. Specifically, the present invention relates to using a novel induction heating apparatus for controlling this welding parameter. The heating device is comprised of a pair of opposed heating collars placed on either side of a pipe comprising a weld joint. The heating device transfers heat from the collar to the weld joint surface by induction providing a method of controlling this welding parameter.